

BACHELOR OF SCIENCE IN ECONOMICS AND BUSINESS ANALYTICS*

The Bachelor of Science in Economics and Business Analytics degree is an interdisciplinary program that provides students with an understanding of the analytical and economic skills they need to address key problems in business. The curriculum includes courses in economics, business, statistics, econometrics, and analytics. It is designed to prepare students to analyze business issues and design effective data-driven solutions. Graduates will be prepared to become leaders and managers in a wide range of fulfilling careers in the private, public and nonprofit sectors or to pursue graduate study.

Stuart School of Business is a global leader in bridging technology and business, offering distinctive education that provides students with the knowledge and skillsets to become outstanding professionals.

Economics and Business Analytics at Illinois Tech have a prestigious history that dates back to the late 1800s, with some of the nation's first courses in "Family and Consumer Science" (including "Home Economics" and "Household Management"), and the subsequent formation of the university's Department of Business and Economics in 1926. The Department Business and Economics ultimately grew into a separate school at Illinois Tech – the Stuart School of Business, with a gift from university alum and renowned financier Harold Leonard Stuart. Harold L. Stuart himself was a national leader in finance and economics in the first half of the 20th century, and his Chicago investment bank played a pivotal role in establishing the city as a global hub for business.

Over a period of more than 125 years, harnessing curricular innovations and incredible scholarly works by trailblazing Illinois Tech scholars, including Herb A. Simon (author of Administrative Behavior, later awarded the Nobel Prize in Economics), Karl Menger (developer of the St. Petersburg paradox in economics) and Abe Sklar (developer of the Copula in financial and analytical modeling), the Stuart School of Business has refined economics and analytics education. A long-standing leader in curricular innovation, in 1990, building on the foundational works of numerous Illinois Tech scholars, and Harold L. Stuart's own contributions to finance and the broader business community, the Stuart School of Business established quantitative finance and financial analytics as an academic discipline, with a world's first postgraduate Master's program in Financial Markets and Trading – a program that highlighted a new model for embedding into a postgraduate academic program the emphases on career readiness and connectedness with the business community, and transformed business education.

The Bachelor of Science in Economics and Business Analytics offers students an incredible opportunity to complete a core set of courses in both disciplines, with expanded access to subject matter experts. As with all Stuart majors, the program emphasizes co-curricular opportunities that place students on the path to self-actualization and career success. Leadership, entrepreneurship, experiential learning, positive societal impact, and connectedness to the business community, combined with a human-centered approach to student development, and an unyielding focus on student success, are core pillars of all Stuart programs. Stuart is

accredited by the Association to Advance Collegiate Schools of Business (AACSB) – an accreditation achieved by fewer than 6% of business schools worldwide.

The Bachelor of Science in Economics and Policy builds on Stuart's history and tradition of impactful undergraduate education that leads to career success for graduates. The innovative program, which offers students both economics and analytics perspectives, requires the successful completion of 126 credit hours.

* indicates that this program is an Incubator Program. Please visit Incubator Programs for more information.

Required Courses

Code	Title	Credit Hours
Required Economics Courses		(33)
BUS 100	Introduction to Business and Economics	3
ECON 151	Microeconomics	3
ECON 152	Macroeconomics	3
BUS 211	Financial Accounting	3
BUS 212	Managerial Accounting	3
BUS 221	Business Statistics	3
ECON 311	Intermediate Microeconomics	3
ECON 312	Intermediate Macroeconomics	3
ECON/BUS 382	Business Economics	3
ECON 383	Sports Economics	3
ECON 423	Economics of Capital Investments	3
Required Business Analytics Courses		(33)
BUS 102	Introduction to Business Analytics	3
ECON 251	Introduction to Econometrics	3
BUS 321	Analytics for Optimization	3
BUS 305	Operation and Supply Chain Analytics	3
BUS 371	Marketing Fundamentals	3
BUS 473	Marketing Analytics	3
BUS 475	Sales Management and Analytics	3
BUS 484	Data Analytics and Visualization	3
BUS 480	Strategic Management and Design Thinking	3
Choose 2 electives from the following courses		6
BUS 301	Organizational Behavior	3
BUS 311	Strategic Cost Management	3
BUS 341	Business Law	3
BUS 361	Topics in Entrepreneurship	3
BUS 452	International Finance	3
BUS 454	Investments	3
BUS 455	Corporate Finance	3
BUS 457	Financial Modeling	3
BUS 458	Financial Derivatives	3

BUS 472	New Product Development	3
BUS 476	Consumer Behavior	3
Mathematics Requirements		(4)
MATH 148	Preparation for Calculus	4
or MATH 151	Calculus I	
or MATH 191	Business Calculus	
or MATH 192	Finite Mathematics	
Natural Sciences and Engineering Requirements		(10)
See Illinois Tech Core Curriculum, section D		10
Humanities and Social Science Requirements		(21)
See Illinois Tech Core Curriculum, sections B and C		21
Computer Science Requirements		(2)
CS 105	Introduction to Computer Programming	2
or CS 110	Computing Principles	
Interprofessional projects (IPRO)		(6)
See Illinois Tech Core Curriculum, section E		6
Free Electives		(11)
Select 11 credit hours		11
Total Credit Hours		120

ECON 383	3	ECON 382	3
Economics or Analytics Elective	3	Economics or Analytics Elective	3
Social Science Elective (300+)	3	IPRO Elective I	3
		15	15
Year 4			
Semester 1	Credit Hours	Semester 2	Credit Hours
BUS 484	3	BUS 480	3
ECON 423	3	Free Elective	3
Free Elective	3	Humanities or Social Science Elective	3
IPRO Elective II	3	Free Elective	3
Social Science Elective (300+)	3	Free Elective	2
		15	14
Total Credit Hours: 120			

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Bachelor of Science in Economics and Business Analytics* Curriculum

		Year 1	
Semester 1	Credit Hours	Semester 2	Credit Hours
BUS 100	3	BUS 102	3
ECON 151	3	BUS 221	3
CS 105 or 110	2	ECON 152	3
Humanities Elective (200 Level)	3	Social Science Elective	3
MATH 148, 119, 151, or 192	4	Science Elective	4
		15	16

		Year 2	
Semester 1	Credit Hours	Semester 2	Credit Hours
BUS 211	3	BUS 212	3
BUS 321	3	BUS 371	3
ECON 311	3	ECON 312	3
Humanities Elective (300+)	3	Humanities Elective (300+)	3
Science Elective	3	Science Elective	3
		15	15

		Year 3	
Semester 1	Credit Hours	Semester 2	Credit Hours
BUS 473	3	BUS 305	3
ECON 251	3	BUS 475	3